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**Effect of Donepezil Therapy on
Language Performance in Down syndrome
Adults with High and Low Language Levels**

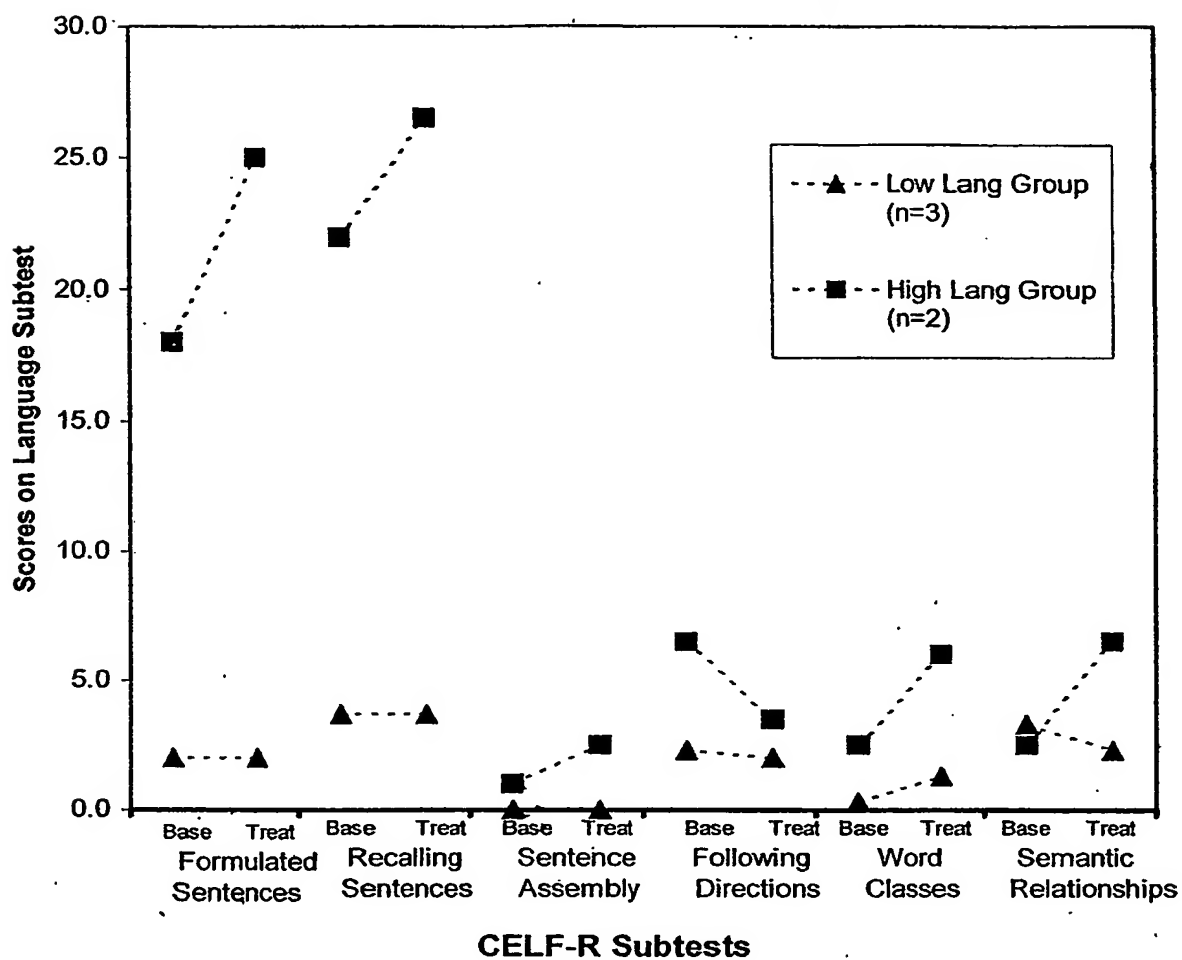


FIGURE 1

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Table I. A comparison of language performance at Baseline and at Treatment for each language measure. Baseline and Treatment values are group average raw score performance (n=5). The statistical significance of the difference in Baseline and Treatment performance is determined by a paired t test. Indices of clinical significance, i.e. average performance and the range in raw scores for 5-year-olds, and the average improvement in raw score performance as children age from 5 to 6 years old, are provided.

TEST	Base line	Treat ment	Differ ence	p-value (2 Tailed)	Avg score and (Range) for 5 year- olds	Change from 5 to 6 yrs
<i>TOPS</i>						
TOPS @ 12 weeks	14.4	20.9	6.5	.0107	41 (37 to 44)	8.5 points
TOPS @ 24 weeks	14.4	19.5	5.1	.0513	41 (37 to 44)	8.5 points
<i>CELF-R Expressive Subtests*</i>						
Formulating Sentences	8.2	11.2	3.0	.2215	23-27 (9 to 38)	13 points
Recalling Sentences	12.2	14.0	1.8	.2326	43-46 (32 to 58)	6.5 points
Sentence Assembly	0.4	1.0	0.6	.2080	0 (0 to 3)	3.5 points
<i>CELF-R Receptive Subtests*</i>						
Oral Directions	4.3	3.3	-1.0	.6042	6-7 (3 to 13)	5 points
Word Classes	1.2	3.2	2.0	.1543	7-8 (2 to 14)	13.5 points
Semantic Relationships	3.0	4.0	1.0	.5538	3 (0 to 9)	6.5 points

* CELF-R Subtests administered only at Baseline and at 24 weeks.

FIGURE 2

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Table II. A comparison of High Language (n=2) and Low Language (n=3) group performance at Baseline and at Treatment by language measure. Baseline and Treatment values are group average raw score performance. Indices of clinical significance, i.e. average performance and the range in raw scores for 5-year-olds and the average improvement in raw score performance as children age from 5 to 6 years old, are provided.

TEST	High Lang			Low Lang			Avg score and (Range) for 5-year-olds	Change from 5 to 6 yrs
	Base	Treat	Diff	Base	Treat	Diff		
CELF-R Expressive Subtests								
Formulating Sentences	18.0	25.0	7.0	2.0	2.0	0.0	23-27 (9 to 38)	13 points
Recalling Sentences	22.0	26.5	4.5	5.7	5.7	0.0	43-46 (32 to 58)	6.5 points
Sentence Assembly	1.0	2.5	1.5	0.0	0.0	0.0	0 (0 to 3)	3.5 points
CELF-R Receptive Subtests								
Oral Directions	6.5	3.5	-3.0	2.3	3.0	0.7	6-7 (3 to 13)	5 points
Word Classes	2.5	6.0	3.5	0.3	1.3	1.0	7-8 (2 to 14)	13.5 points
Semantic Relationships	2.5	6.5	4.0	3.3	2.3	-1.0	3 (0 to 9)	6.5 points

FIGURE 3

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